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Abb. 1: schematische Darstellung des Versuchsaufbaus

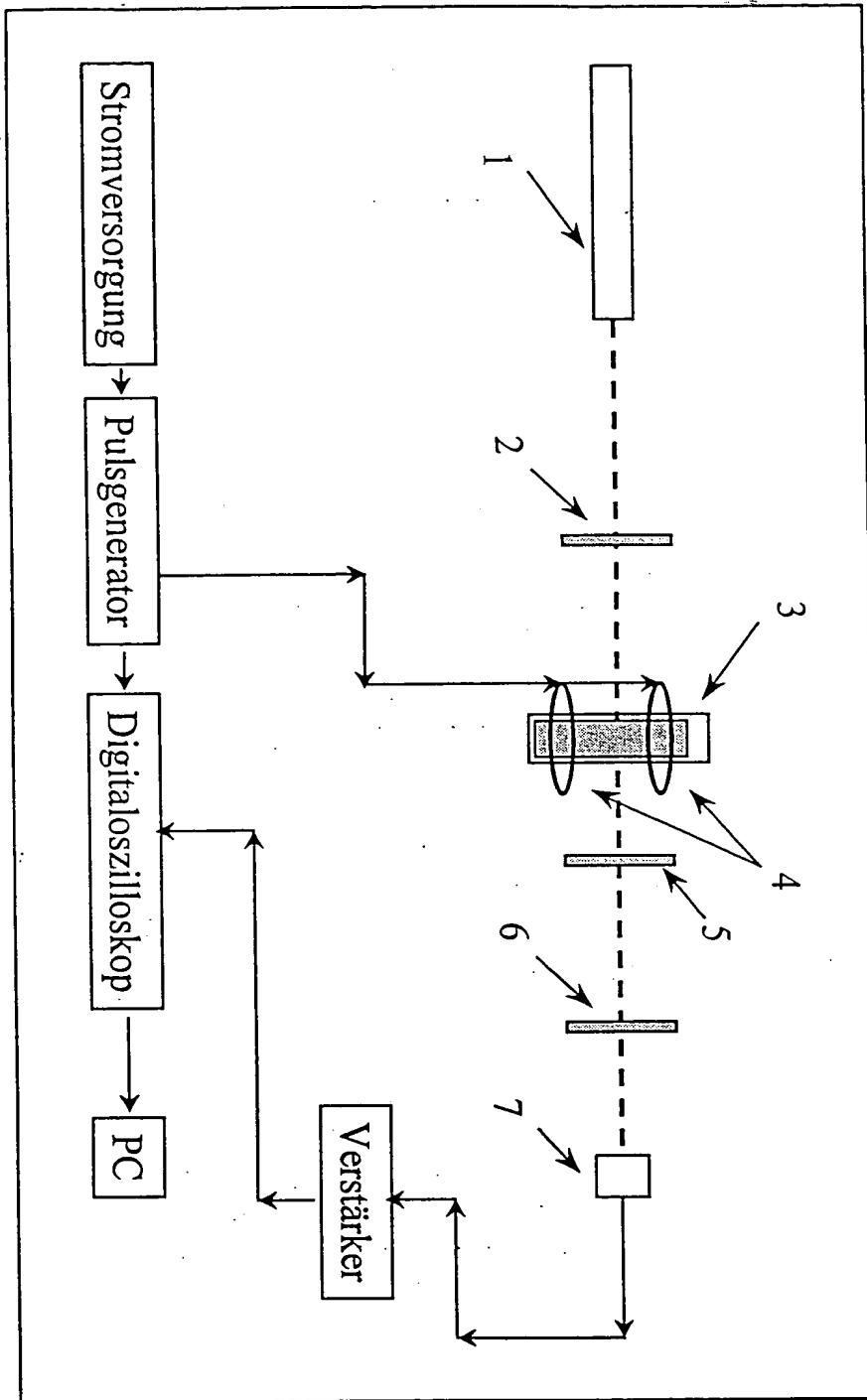


Fig. 1: Diagrammatic view of the experimental set-up
 [Key:]

Stromversorgung = power supply

Pulsgenerator = pulse generator

Digitaloszilloskop = digital oscilloscope

Verstärker = amplifier

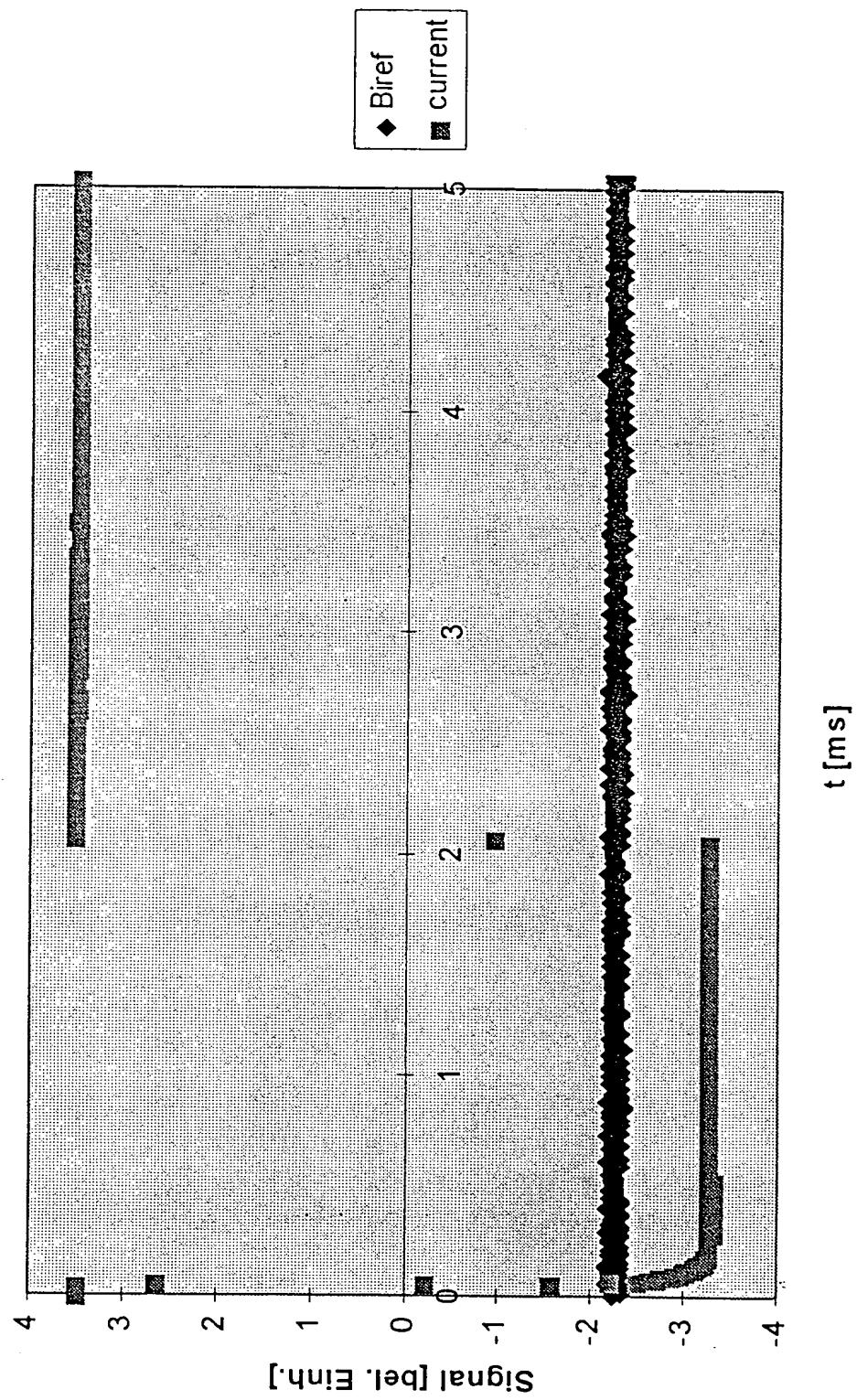


Fig. 2: Relaxation of distilled water

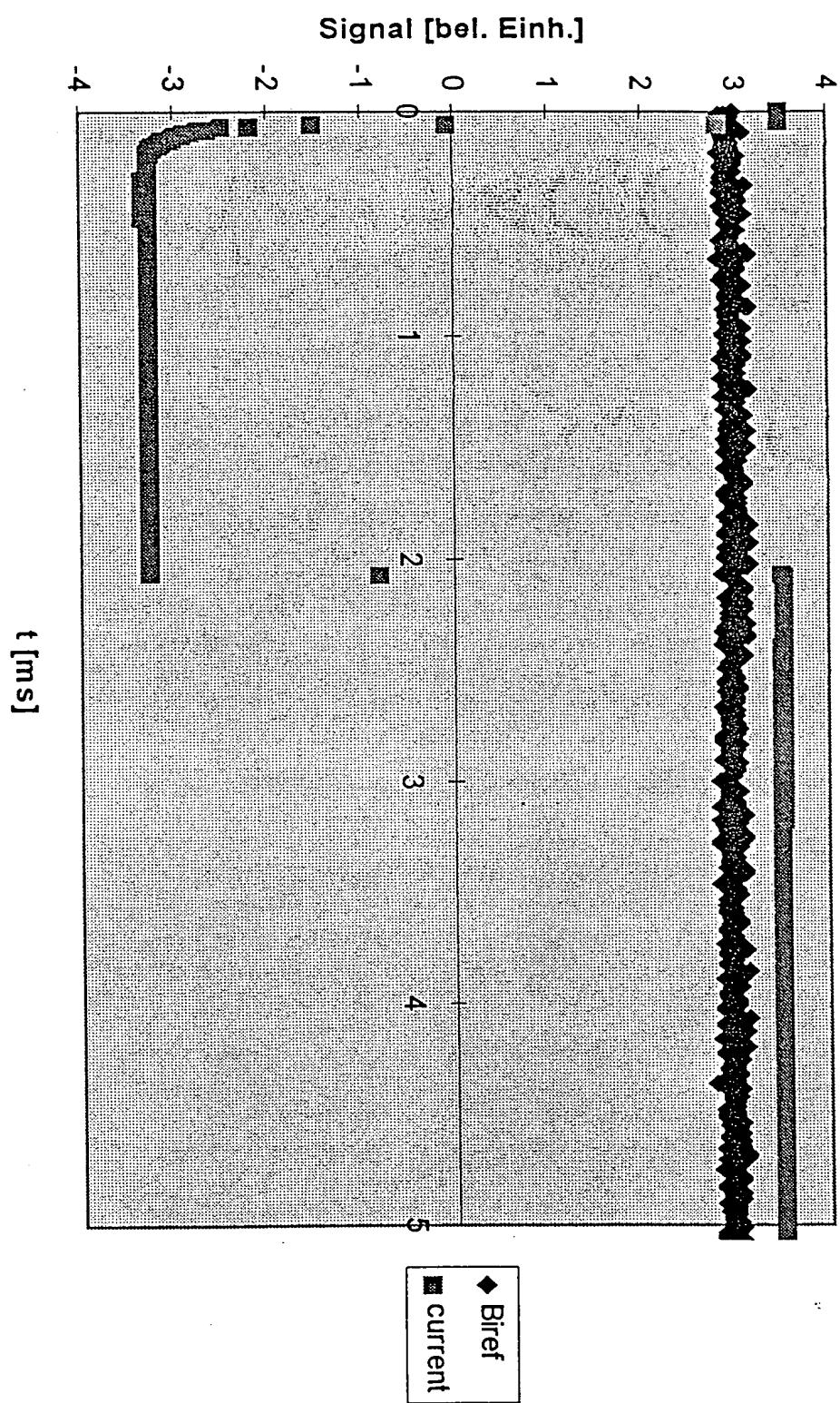


Fig. 3: Relaxation of sample 10^{-6} mol of Fe/l

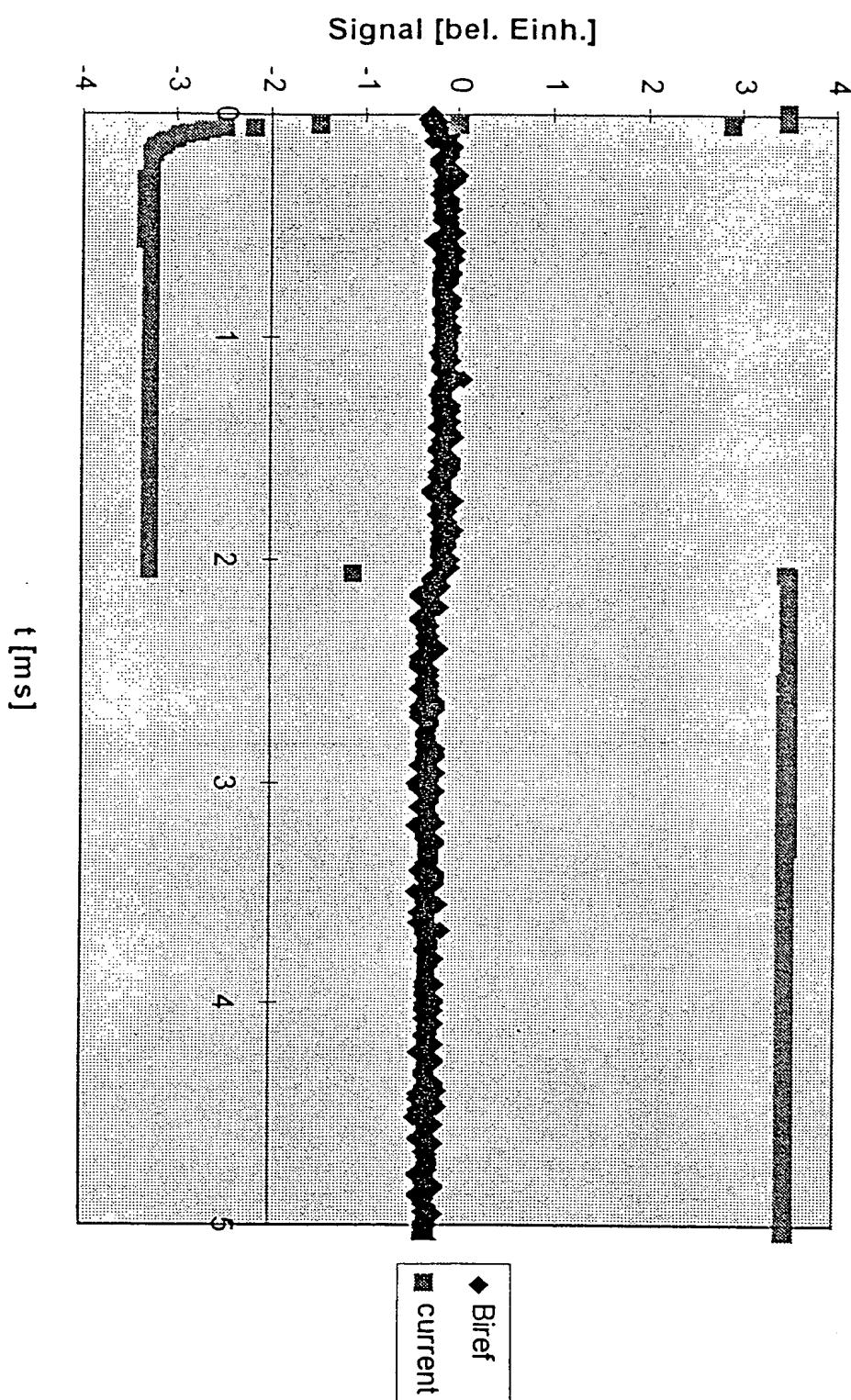


Fig. 4: Relaxation of sample 10^{-5} mol of Fe/l

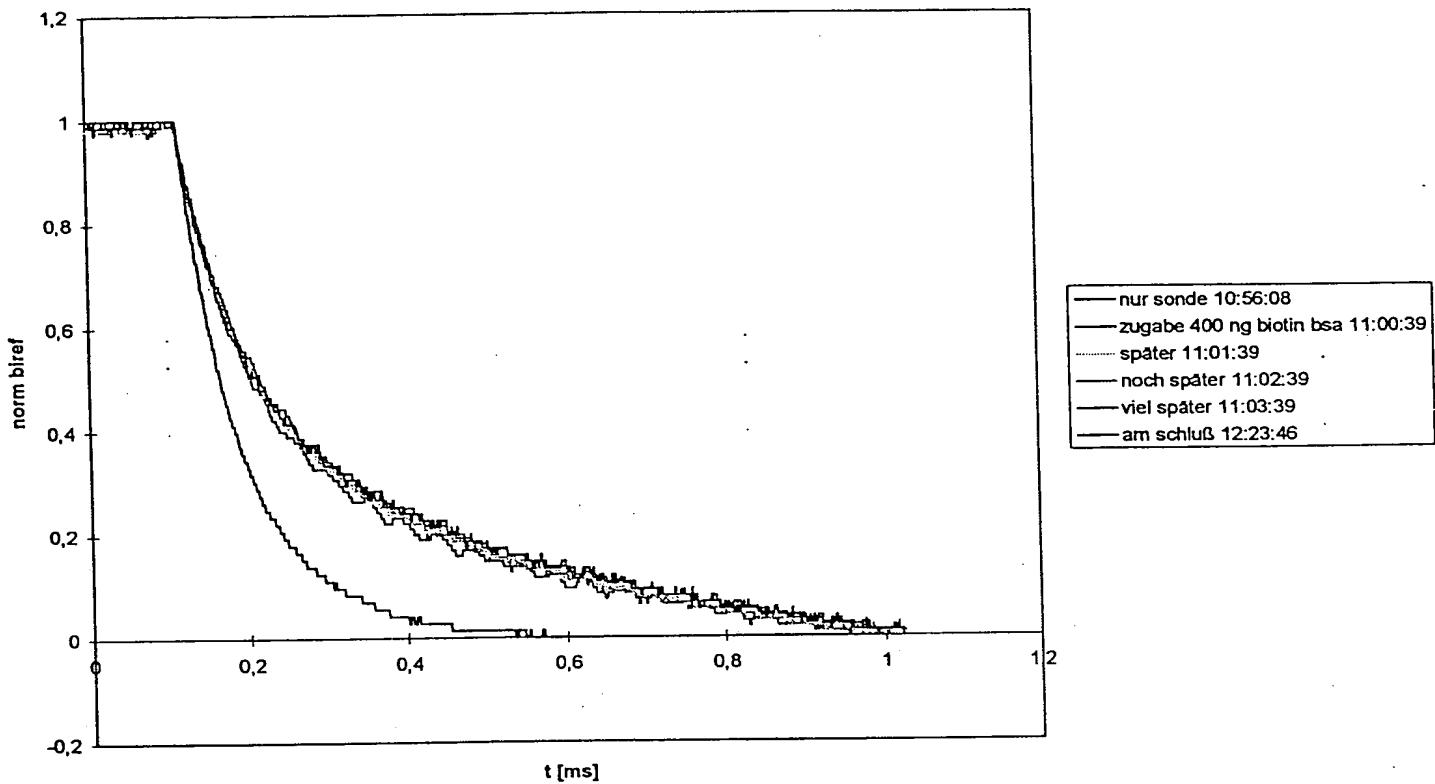


Fig. 5 Increase of relaxation time after 400 ng of biotin-BSA is added

[Key:]

norm biref = biref standard

nur sonde 10:56:08 = only sample 10:56:08

zugabe 400 ng biotin bsa 11:00:39 später 11:01:39 = addition of 400 ng of biotin bsa 11:00:39, later 11:01:39

noch später 11:02:39 = still later 11:02:39

viel später 11:03:39 = much later 11:03:39

am schluß 12:23:46 = at the end 12:23:46

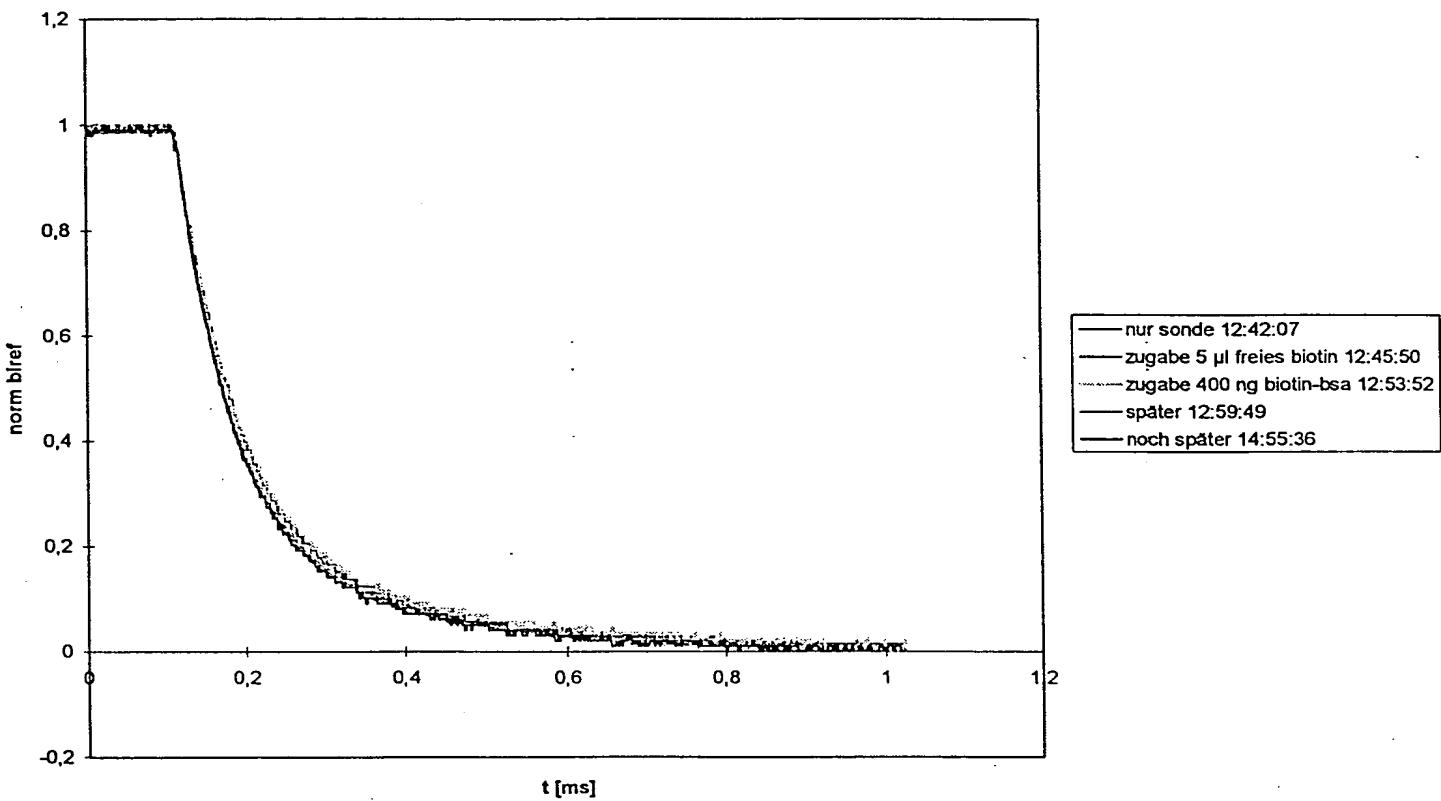


Fig. 6 Unchanged relaxation time of a sample that is blocked with free biotin after 400 ng of biotin-BSA is added

[Key:]

norm biref = biref standard

nur sonde 12:42:07 = only sample 12:42:07

zugabe 5 μ l freies biotin 12:45:50 = addition of 5 μ l of free biotin 12:45:50

zugabe 400 ng biotin-bsa 12:53:52 = addition of 400 ng of biotin- bsa 12:53:52

später 12:59:49 = later 12:59:49

noch später 14:55:36 = still later 14:55:36